

## REGULATION OF PROMOTER ACTIVITY IN CELLS

## ABSTRACT

5 Nucleotide sequences coding for a promoter activity-regulating polypeptide designated  
OrfY, isolated from *Lactococcus lactis*, and promoter activity-regulating active  
homologues and fragments hereof is used to indirectly regulating the expression of genes.  
The coding sequence is inserted into lactic acid bacterial cells or any other cells with the  
objective of either reducing or enhancing the expression level of the gene being under the  
10 control of the promoter sequence, the activity of which is regulated by the OrfY  
polypeptide or homologues or fragments hereof. Improved gene expression systems are  
provided based on this promoter activity-regulating polypeptide.

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